

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A message analyzer for analyzing messages which are transmitted via service access points from layers of an Open Systems Interconnection (OSI) reference model of an end system of a subscriber of a mobile telephone system, the message analyzer comprising:

a storage device for storing messages; and

a selector for reading in a sequence of temporally successive messages;

a display device for displaying, on a single screen, a first region and a second region, wherein the sequence of messages is read in by means of the selector from the storage device and displayed listed in the first region,

wherein the selector determines, for at least one service access point, a first characteristic feature of the messages which are transmitted via the at least one service access point and a course of the first characteristic feature is displayed on the display device in the second region, and

wherein the sequence of messages read in by the selector is dependent upon a selection with which a specific point of the course of the first characteristic feature is selectable in the second region.

2. (Previously Presented) A message analyzer according to claim 1, wherein:

the selector determines a second characteristic feature for messages which are transmitted via a plurality of service access points of a layer of the OSI reference model, the a

course of the second characteristic feature is displayed on the display device in the second region.

3. (Cancelled)

4. (Currently Amended) A message analyzer according to claim [[3]] 1, wherein:

at least one specific point is marked by a marking in the course displayed in the second region and, upon selection of the marking, a sequence of messages which corresponds to the specific point is read in from the storage device.

5. (Currently Amended) A message analyzer according to claim [[3]] 1, wherein:

based on the additional items of information stored during storage of messages in the storage device, markings are produced automatically by the selector.

6. (Previously Presented) A message analyzer according to claim 1, wherein:

the course of the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

7. (Previously Presented) A message analyzer according to claim 6, wherein:

a third region of the course displayed in the second region which corresponds respectively to the sequence of messages currently displayed in the first region, is highlighted.

8. (Previously Presented) A message analyzer according to claim 1, wherein:

the course of the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is subdivided into intervals each having an identical number of messages.

9. (Previously Presented) A message analyzer according to claim 1, wherein:
the first characteristic feature is a number of transmitted messages per interval of time or
a data load of a layer of the OSI reference model or a number of messages transmitted
repeatedly.

10. (Currently Amended) A method using a computer or a digital signal processor
for analyzing messages which are transmitted via service access points from layers of an OSI
reference model of an end system of a subscriber of a mobile telephone system and which are
stored in a storage device, comprising the steps of:

reading in a sequence of messages by a selector; and
displaying the sequence of messages which is read in by the selector, in tabular form in a
first region of a single screen of a display device, wherein
a first characteristic feature of messages which are transmitted via at least one service
access point is determined by the selector
and a course of the first characteristic feature is displayed in a second region of the single
screen of the display device,

further comprising:
selecting, in the second region, a specific point of the course of the first characteristic
feature; and
reading in, by the selector, a sequence of messages dependent upon the specific point.

11. (Previously Presented) A method according to claim 10, further comprising:
determining, by the selector, a second characteristic feature of messages which are
transmitted via a plurality of service access points of a layer of the OSI reference model.

12. (Canceled)

13. (Previously Presented) A method according to claim 10, wherein:
in the second region, at least one specific point of the course of the first characteristic feature is marked by at least one marking, and
upon selection of the marking, dependent upon the specific point marked by the marking, a corresponding sequence of messages is read in by the selector from the storage device.

14. (Previously Presented) A method according to claim 13, wherein:
during storage of the messages in the storage device, additional items of information are stored, and
dependent upon the additional items of information, markings are produced automatically in the second region by the selector.

15. (Previously Presented) A method according to claim 10, wherein:
at least one characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

16. (Previously Presented) A method according to claim 15, wherein:
a third region which corresponds respectively to the sequence of messages displayed in tabular form in the first region is displayed highlighted in the second region.

17. (Previously Presented) A method according to claim 10, wherein:
the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is sub-divided into intervals each having an identical number of messages